

## **Water Quality Protection Division**



### **Mississippi Canyon 252 Oil Spill, Gulf of Mexico Region 6 Update**

**Subject:**                   **Water Quality Division Update # 23**  
                                  **Mississippi Canyon 252 Oil Spill, Gulf of Mexico**

**Date:**                      June 2, 2010

**Reporting Period:**    June 1, 2010 1300 – June 2, 2010 1300

# Nearshore Surface Oil Forecast Deepwater Horizon MC252

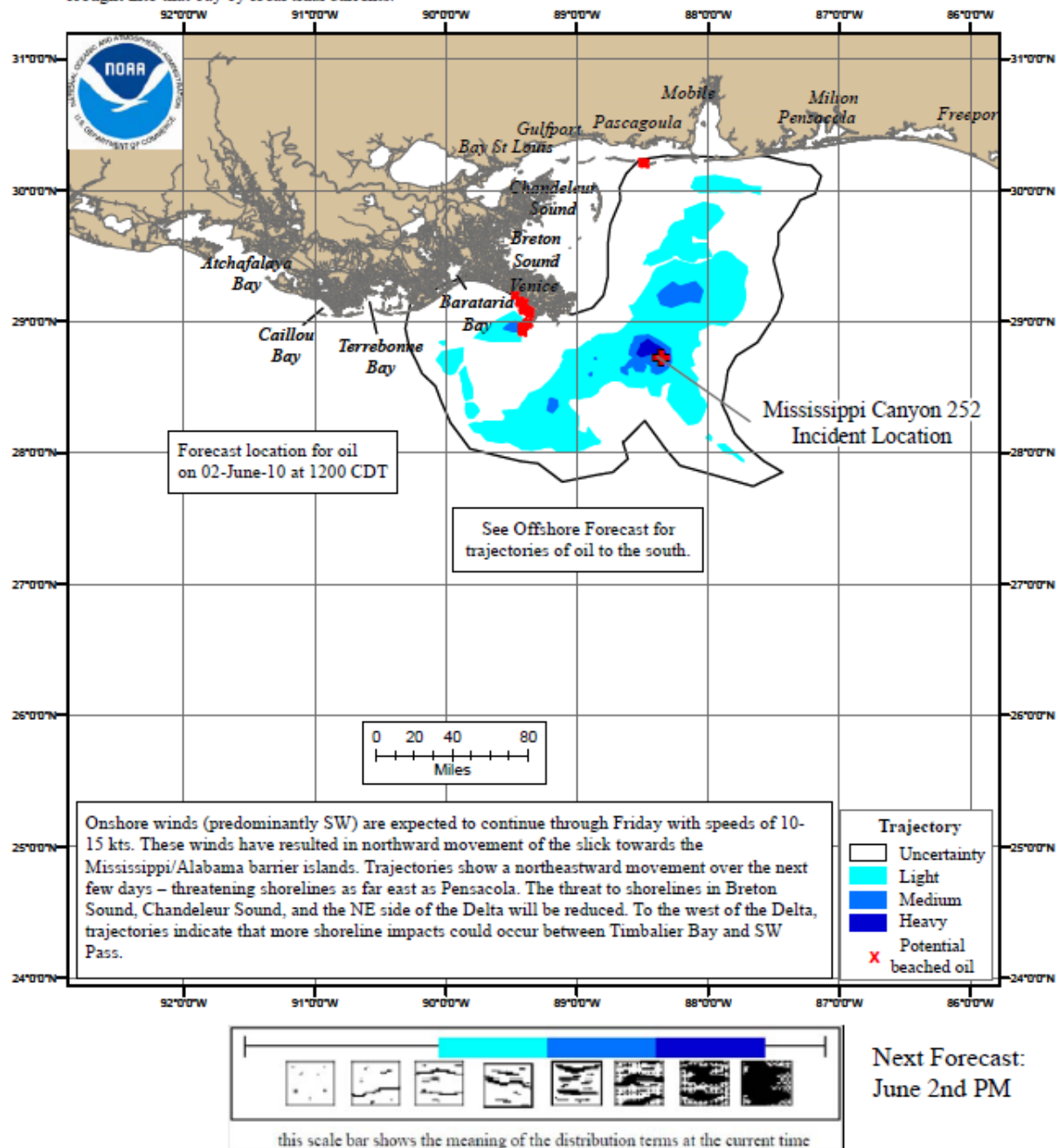
NOAA/NOS/OR&amp;R

Nearshore

Estimate for: 1200 CDT, Wednesday, 6/02/10

Date Prepared: 2100 CDT, Tuesday, 6/01/10

This forecast is based on the NWS spot forecast from Tuesday, June 1 PM. Currents were obtained from several models (NOAA Gulf of Mexico, West Florida Shelf/USF, NAVO/NRL) and HFR measurements. The model was initialized from Tuesday satellite imagery analysis (NOAA/NESDIS) and overflight observations. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization). Oil near bay inlets could be brought into that bay by local tidal currents.



# Offshore Surface Oil Forecast Deepwater Horizon MC252

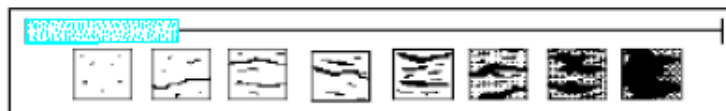
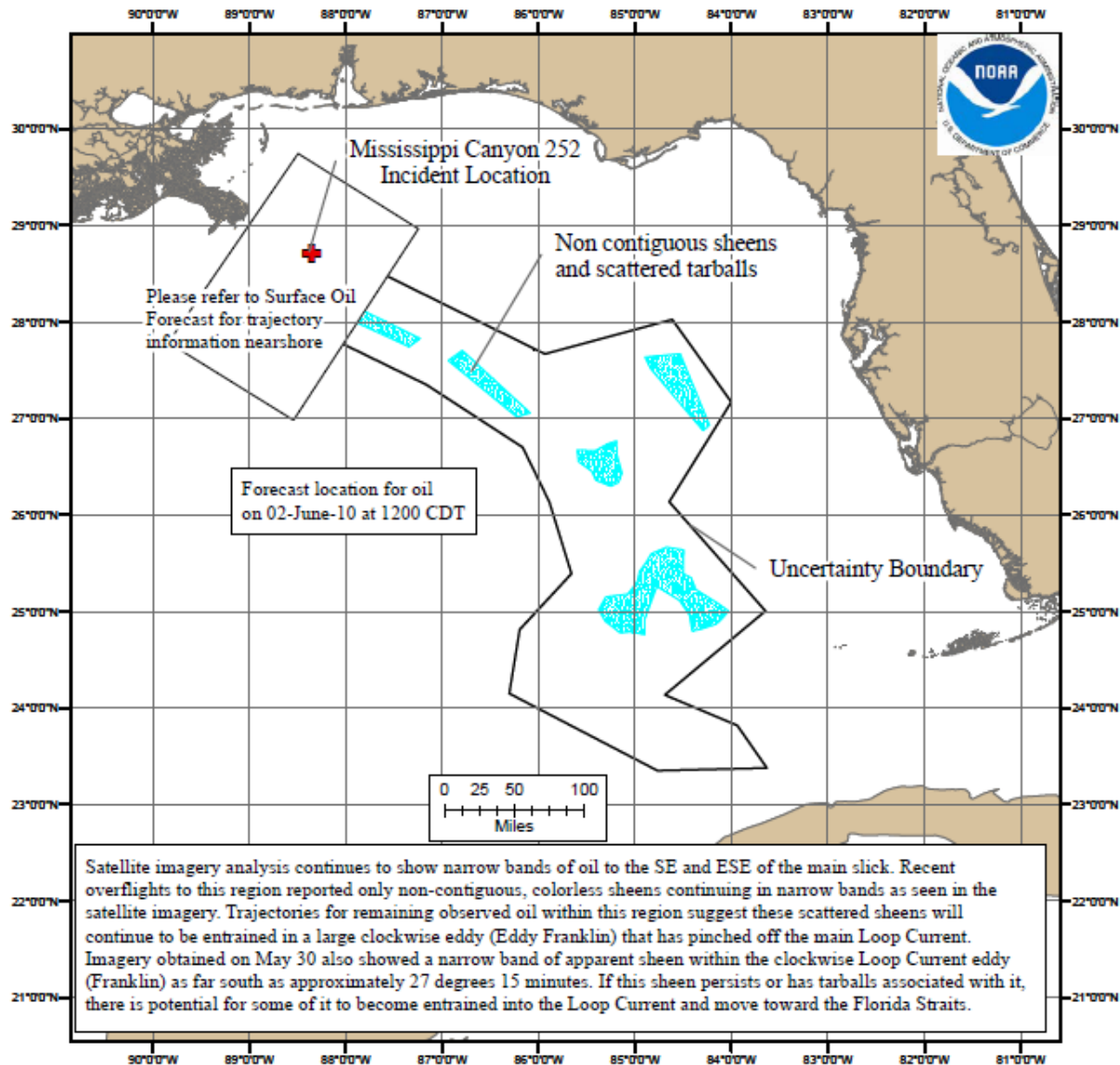
NOAA/NOS/OR&amp;R

Offshore

Estimate for: 1200 CDT, Wednesday, 6/02/10

Date Prepared: 1900 CD Tuesday, 6/01/10

Currents were obtained from three models: NOAA Gulf of Mexico, NavO/NCOM, and NRL/IASNFS. Each includes Loop Current dynamics. Gulf wide winds were obtained from the gridded NCEP product. The model was initialized from Sunday-Tuesday satellite imagery analysis (NOAA/NESDIS). The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization).



this scale bar shows the meaning of the distribution terms at the current time

Next Forecast:  
June 2nd PM

### Monitoring and Assessment

- Continuing to coordinate with the REOC Environmental Unit on the review of incoming water and sediment quality monitoring data, including results from water samples analyzed for dispersants and sediment toxicity testing results.
- Continuing to coordinate with HQ (Office of Water) as they finalize the screening levels under development for use in evaluating water and sediment quality monitoring results.
- Attending regular meetings and calls with Region 4, HQ, & REOC.

### Drinking Water

- Drinking water intakes, public drinking water wells, and domestic wells have not been impacted by the oil sheen and are not projected to be impacted.
- EPA Region 6 is providing the Louisiana Department of Health and Hospitals (LDHH) daily situation report as well as data summaries as they become available.
- EPA Region 6 continues to coordinate closely with the LDHH on all drinking water issues.

### Data Management – Mapping Efforts

- Coordinating with the REOC to obtain Geographic Information System (GIS) information available for use in mapping sampling locations and associated results from water and sediment quality monitoring.

### NPDES

- Continue to coordinate, as required, with 6WQ, 6EN, 6RC, and HQ staff on NPDES permitting and enforcement issues.
- NPDES Permits and TMDL Branch continues to be available to provide technical assistance as needed.

## Coastal Programs

### Louisiana Large-Scale Coastal Barrier Plan:

- Regional staff and managers met yesterday in New Orleans with the Administrator, Deputy Administrator, officials from other resource agencies, Parish representatives, and others regarding the emergency Corps permit issued May 27, 2010, for portions of the State's sand berm plan. Extensive coordination is being conducted regarding several versions of the plan. Ongoing coordination regarding the State's full application and engineering drawings, due 30 days hence.

### Corps Emergency Authorizations for Coastal Protection Features:

- The Corps has coordinated with Region 6 and OW on a continuing series of emergency authorization requests for incremental work to install booms, sand bags, tiger dams, concrete blocks, and similar structures in the Chandeleur Sound and Barataria Bay. Regional staff members have been supporting responses by OW.

### OW Ecological Impact Analyses:

- Coastal Section Chief met with OW and SCAT in Houma yesterday and follow up discussions continue today.
- Discussions regarding a scientific experts panel on marsh remediation and planning for a meeting on Saturday.

### Corps Navigation Maintenance Dredging:

- OW, Region 6, and Region 4 are preparing a discussion paper on "Dredged Material and Ocean Dumping Sites Potentially Impacted by the Deepwater Horizon Oil Spill,"
- The oil spill is not affecting dredging operations or navigation in the Mississippi River, Southwest Pass (SWP) but, according to the Corps, oil continues to accumulate in the lower portions of South Pass and Pass a Loutre (a borrow site cleared under the Corps' emergency authorization for the LA berm application).
- Ongoing analyses regarding marsh remediation efforts and long-term coastal habitat impacts.

### Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA)

- No changes since Thursday 5-27-2010.